



Western balsam bark beetle

Aspen mortality / decline

Bark beetles in ponderosa pine

Douglas-fir beetle

Fir engraver beetle

Spruce beetle

Cottonwood decline / mortality

Piñon ips

50

Estimated number of fading dead trees

For mortality agents only; values not shown for spots of 1 acre or less, which range from 1 - 10 trees; no number of trees estimated for areas of blowdown or aspen mortality.

Western spruce budworm

Aspen defoliation - Light

Aspen defoliation - Heavy

Area not surveyed

National Forest

National Forest Wilderness

National Park Service

Tribal land

Community location

Major road

County boundary

The insect and disease activity depicted here is based on aerial detection surveys and should only be used as a general indicator of incidence. This map represents the mortality and defoliation that has occurred since the previous surveys in 2007. Depending upon the timing of survey, the entire extent of some insect and disease activity may not have been detected. In addition, most diseases cause gradual declines in tree health that are not typically detectable during aerial surveys. Intensity of damage is variable, thus not all trees within a mapped area are affected. Caution should be used in interpreting these results due to the scale and subjective nature of aerial sketch mapping. Areas of particular concern should be ground checked for precise determination of location and causal agent.

Carson and Santa Fe National Forests and adjacent tribal lands surveyed 7/20/2008 - 8/2/2008 by William Ciesla, Forest Health Management International.

Cibola National Forest, Sandia RD surveyed 7/18/2008 by Daniel Ryerson, Forest Health, New Mexico Zone Office, Southwestern Region, US Forest Service.

State and private lands surveyed 6/30/2008 - 7/7/2008 by Stephani Sandoval, New Mexico State University Cooperative Extension Service and Daniel Ryerson, US Forest Service.

2008

Insect and Disease Aerial Survey

Santa Fe National Forest

and Vicinity

1:250,000

0

5

10

15

Miles

Map produced by

Forest Health Staff

New Mexico Zone

10/22/2008

UTM Zone 13, North American Datum 1983

DER